

\*\*\*\*\*  
MIRAGE (TM)  
\*\*\*\*\*

Release 3.1A John F. Collins, Biocomputing Research Unit.  
Copyright (c) 1993-1998 University of Edinburgh, U.K.  
Distribution rights by Oxford Molecular Ltd

Msrch\_n n.a. - n.a. database search, using Smith-Waterman algorithm  
Run on: Fri Jan 14 10:32:13 2000; MasPar time 73.33 Seconds  
1179.143 Million cell updates/sec  
Tabular output not generated.

Title: >US-08-978-217-15  
Description: (5401-6400) from US08978217.seq (7 of 10)  
Perfect Score: 1000  
N.A. Sequence: 5401 ACGGTACCTCTAAGGCTG.....CGTGGCCCACTCTGGGCC 6400  
Comp: TGCCATTCGAGATTCGCGAC.....GCACCGGCTGAGACCCCGG

Scoring table: TABLE default  
Gap 6

Mismatch STD : Dbase 0; Query 0

Searched: 165362 seqs; 43234748 bases x 2

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database: n-issued  
1:5A\_COMB 2:5B\_COMB 3:5C\_COMB 4:PCT9\_COMB 5:backfiles1

Statistics: Mean 8.538; Variance 4.198; Scale 2.034

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description	Pred. No.
1	107	10.7	1920	3	US-08-746-	Sequence 1, Applicati	3.45e-65
2	69	6.9	7218	2	US-08-232-	Sequence 14, Applicat	1.00e-34
3	37	3.7	965	3	US-08-388-	Sequence 22, Applicat	7.69e-11
4	35	3.5	215	1	US-08-238-	Sequence 5, Applicati	1.84e-09
5	34	3.4	965	3	US-08-388-	Sequence 22, Applicat	8.81e-09
6	30	3.0	215	1	US-08-238-	Sequence 5, Applicati	4.03e-06
7	30	3.0	7218	2	US-08-232-	Sequence 14, Applicat	4.03e-06
8	25	2.5	81	4	PCT-US95-1	Sequence 98, Applicati	5.71e-03
9	25	2.5	81	4	PCT-US95-1	Sequence 92, Applicati	5.71e-03
10	25	2.5	242	1	US-08-273-	Sequence 1, Applicati	5.71e-03
11	24	2.4	74	4	PCT-US95-1	Sequence 100, Applicat	2.28e-02
12	24	2.4	74	4	PCT-US95-1	Sequence 94, Applicati	2.28e-02
13	24	2.4	242	1	US-08-273-	Sequence 1, Applicati	2.28e-02
14	23	2.3	56	4	PCT-US95-1	Sequence 87, Applicati	8.86e-02
15	23	2.3	69	1	US-08-471-	Sequence 142, Applicat	8.86e-02
16	23	2.3	74	4	PCT-US95-1	Sequence 94, Applicati	8.86e-02
17	23	2.3	74	4	PCT-US95-1	Sequence 100, Applicat	8.86e-02
18	23	2.3	75	4	PCT-US95-1	Sequence 99, Applicati	8.86e-02
19	23	2.3	81	4	PCT-US95-1	Sequence 98, Applicati	8.86e-02
20	23	2.3	81	4	PCT-US95-1	Sequence 92, Applicati	8.86e-02

RESULT	ID	Sequence	Score	Query Match	Length	DB	ID	Description	Pred. No.
1	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	107	10.7	1920	3	US-08-746-	Sequence 1, Applicati	3.45e-65
2	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	69	6.9	7218	2	US-08-232-	Sequence 14, Applicat	1.00e-34
3	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	37	3.7	965	3	US-08-388-	Sequence 22, Applicat	7.69e-11
4	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	35	3.5	215	1	US-08-238-	Sequence 5, Applicati	1.84e-09
5	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	34	3.4	965	3	US-08-388-	Sequence 22, Applicat	8.81e-09
6	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	30	3.0	215	1	US-08-238-	Sequence 5, Applicati	4.03e-06
7	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	30	3.0	7218	2	US-08-232-	Sequence 14, Applicat	4.03e-06
8	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	25	2.5	81	4	PCT-US95-1	Sequence 98, Applicati	5.71e-03
9	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	25	2.5	81	4	PCT-US95-1	Sequence 92, Applicati	5.71e-03
10	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	24	2.4	242	1	US-08-273-	Sequence 1, Applicati	5.71e-03
11	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	24	2.4	74	4	PCT-US95-1	Sequence 100, Applicat	2.28e-02
12	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	24	2.4	74	4	PCT-US95-1	Sequence 94, Applicati	2.28e-02
13	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	23	2.3	56	4	PCT-US95-1	Sequence 87, Applicati	8.86e-02
14	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	23	2.3	69	1	US-08-471-	Sequence 142, Applicat	8.86e-02
15	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	23	2.3	74	4	PCT-US95-1	Sequence 94, Applicati	8.86e-02
16	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	23	2.3	74	4	PCT-US95-1	Sequence 100, Applicat	8.86e-02
17	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	23	2.3	75	4	PCT-US95-1	Sequence 99, Applicati	8.86e-02
18	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	23	2.3	81	4	PCT-US95-1	Sequence 98, Applicati	8.86e-02
19	US-08-746-789A-1	STANDARD; DNA; UNC; 1920 BP.	23	2.3	81	4	PCT-US95-1	Sequence 92, Applicati	8.86e-02

## ALIGNMENTS

Sequence 1, Application US/08746789A  
Sequence 1, Application US/08746789A  
Patent No. 5789200  
GENERAL INFORMATION:  
APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck  
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road, P.O. Box 1539  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE  
COMPUTER: IBM 486  
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
SOFTWARE: MICROSOFT WORD  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/746,789A  
FILING DATE: No. 5789200el December 15, 1996  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: William T. Han  
REGISTRATION NUMBER: 34,344  
REFERENCE/DOCKET NUMBER: ATG 50024  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610 270 5219  
TELEFAX: 610 270 4026  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1920  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
ANTI-SENSE: NO

SEQUENCE 1920 BP; 422 A; 561 C; 550 G; 387 T; 0 OTHER.

Query Match 10.7%; Score 107; DB 3; Length 1920;

Best Local Similarity 87.4%; Pred. No. 3,45e-65;

Matches 125; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Db 919 GCGCCAGAGGACCCACCTGTGGAGTTCATCCGGGACATCCATCCACCCGGAGCTC 978

QY 6256 GCCCCAGAGTACTCACCCTGTGGAGTTTATCCGAGCATCTTAATCCACCCGAGCTC 6315

Db 979 AACGAGGCGCTCATGAATGGAGATCGGCATGAGCGCTCTTCAAGTTCCTGCGCTCC 1038

QY 6316 AACGAGGCGCTCATGAATGGAGATCGGCATGAGCGCGAGGAGGTGTGTCAAGTTCTTCTGCTCA 6375

Db 1039 GAGGCTGTGCGCCACATATGGGG 1061

QY 6376 GAGGCGGTGGCCCAACTCTGGGG 6398

RESULT 2

ID US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.

AC xxxxxx

DE Sequence 14, Application US/08232463

CC Sequence 14, Application US/08232463

CC Patent No. 5670367

CC GENERAL INFORMATION:

CC APPLICANT: DORNER, F.

CC APPLICANT: SCHEIFLINGER, F.

CC APPLICANT: FALKNER, F. G.

CC TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

CC NUMBER OF SEQUENCES: 52

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: Foley & Lardner

CC STREET: 1800 Diagonal Road, Suite 500

CC CITY: Alexandria

CC STATE: VA

CC COUNTRY: USA

CC ZIP: 22313-0299

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patentin Release #1.0, Version #1.25

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/232,463

CC FILING DATE:

CC CLASSIFICATION: 435

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: US/07/935,313

CC FILING DATE:

CC APPLICATION NUMBER: EP 91 114 300,6

CC FILING DATE: 26-AUG-1991

CC ATTORNEY/AGENT INFORMATION:

CC NAME: BENT, Stephen A.

CC REGISTRATION NUMBER: 29,768

CC REFERENCE/DOCKET NUMBER: 30472/114 IMMU

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: (703)836-9300

CC TELEFAX: (703)683-4109

CC TELEEX: 899149

CC INFORMATION FOR SEQ ID NO: 14:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 7218 base pairs

CC TYPE: nucleic acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC IMMEDIATE SOURCE:

CC CLONE: pTZ19pt-F15

CC SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.

Query Match 6.9%; Score 69; DB 2; Length 7218;

Best Local Similarity 0.7%; Pred. No. 1.00e-34;

Matches 2; Conservative 183; Mismatches 116; Indels 0; Gaps 0;

Db 1064 GATYYY 1123

QY 5745 GAGCCTCGGCGCCTGTGTGCTCAGCTGCTGACACCTGAGAGTCAACCCAAAGTTC 5804

Db 1124 YY 1183

QY 5805 TTCCCTGCGCGCCTCTTCACACACAGACCTGACGATGACACTCTGCGCTTTC 5864

Db 1184 YY 1243

QY 5865 TTCTTGTCCCGAGGAGACTGTATTCGGAAGCTGTCTGTGCTCCTCAGGCTATAG 5924

Db 1244 YY 1303

QY 5925 GCAGCTCTGACCCCATGTCGCAAGTTCACACACACTGTCCTCCACGACACANG 5984

Db 1304 YY 1363

QY 5985 AGCCCGCTCACAAAGAGCGTGTCTGTGCTGCTCATCTTAACCAAGTTGTATCCT 6044

Db 1364 Y 1364

QY 6045 T 6045

RESULT 3

ID US-08-388-672A-22 STANDARD; DNA; UNC; 965 BP.

AC xxxxxx

DE Sequence 22, Application US/08388672A

CC Sequence 22, Application US/08388672A

CC Patent No. 5795961

CC GENERAL INFORMATION:

CC APPLICANT: Wallace, T. Paul

CC APPLICANT: Harris, William J.

CC APPLICANT: Carr, Frank J.

CC APPLICANT: Old, Lloyd J.

CC APPLICANT: Kikumura, Kunio

CC TITLE OF INVENTION: Recombinant Human Anti-Lewis B

CC NUMBER OF SEQUENCES: 25

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: Felle and Lynch

CC STREET: 805 Third Avenue

CC CITY: New York

CC STATE: New York

CC COUNTRY: U.S.A.

CC ZIP: 10022

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Patentin Release #1.0, Version #1.30

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/388,672A

CC FILING DATE: 14-FEB-1995

CC CLASSIFICATION:

CC ATTORNEY/AGENT INFORMATION:

CC NAME: Hanson, No. 5795961man D.

CC REGISTRATION NUMBER: 30,946

CC REFERENCE/DOCKET NUMBER: LUD 5409

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: 212-688-9200

CC TELEFAX: 212-838-3884

CC INFORMATION FOR SEQ ID NO: 22:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 965 base pairs

CC TYPE: nucleic acid

CC STRANDEDNESS: unknown

CC TOPOLOGY: unknown





```

Db 1184 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1243
Cc 6125 TATAGTGCGCTGCTCTTCTCTGCGCCCAAAATGCAATGCGTAGCCGACTGCACAGAGC 6066
Db 1244 YYYYYYYYYYYYYYYY 1259
Cc 6065 GCTGCATTCTCTCAC 6050

RESULT 8
ID PCT-US95-11934-98 STANDARD; DNA; UNC; 81 BP.
AC xxxxxx
DT

DE Sequence 98, Application PC/TUS9511934
Cc Sequence 98, Application PC/TUS9511934
Cc GENERAL INFORMATION:
Cc APPLICANT: Cytogen Corporation
Cc TITLE OF INVENTION: Antigen Binding Peptides (Ablides) From
Cc NUMBER OF SEQUENCES: 103
Cc CORRESPONDENCE ADDRESS:
Cc ADDRESSEE: Pennile & Edmonds
Cc STREET: 1155 Avenue of the Americas
Cc CITY: New York
Cc STATE: New York
Cc COUNTRY: USA
Cc ZIP: 10036
Cc COMPUTER READABLE FORM:
Cc MEDIUM TYPE: Floppy disk
Cc COMPUTER: IBM PC compatible
Cc OPERATING SYSTEM: PC-DOS/MS-DOS
Cc SOFTWARE: Patentln Release #1.0, Version #1.30
Cc CURRENT APPLICATION DATA:
Cc APPLICATION NUMBER: PCT/US95/11934
Cc FILING DATE: 20-SEP-1995
Cc CLASSIFICATION:
Cc ATTORNEY/AGENT INFORMATION:
Cc NAME: Mistrock, S. Leslie
Cc REGISTRATION NUMBER: 18,872
Cc REFERENCE/DOCKET NUMBER: 1101-196-228
Cc TELECOMMUNICATION INFORMATION:
Cc TELEPHONE: (212) 790-9090
Cc TELEFAX: (212) 869-9741/8864
Cc TELEX: 66141 PENNIE
Cc INFORMATION FOR SEQ ID NO: 98:
Cc SEQUENCE CHARACTERISTICS:
Cc LENGTH: 81 base pairs
Cc TYPE: nucleic acid
Cc STRANDEDNESS: single
Cc TOPOLOGY: linear
Cc MOLECULE TYPE: DNA (genomic)
Cc SEQUENCE 81 BP; 6 A; 6 C; 4 G; 5 T; 60 OTHER.

Query Match 2.5%; Score 25; DB 4; Length 81;
Best Local Similarity 12.7%; Pred. No. 5.71e-03;
Matches 9; Conservative 19; Mismatches 43; Indels 0; Gaps 0;

Db 3 TGTGTCAGAAVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNNVNN 62
Cc 5733 TGTGCTCGGAATCGACGACCCAGCCTGCTGCTGTGAGCACGACGAGCTGCC 5674
Db 63 NVNNVNNVNNNA 73
Cc 5673 TCCCATTCGGA 5663

RESULT 9
ID PCT-US95-11934-92 STANDARD; DNA; UNC; 81 BP.
AC xxxxxx
DT

DE Sequence 92, Application PC/TUS9511934
Cc Sequence 92, Application PC/TUS9511934
Cc GENERAL INFORMATION:

```

```

CC      APPLICANT: Cytogen Corporation
CC      TITLE OF INVENTION: Antigen Binding Peptides (Abltides) From
CC      TITLE OF INVENTION: Peptide Libraries
CC      NUMBER OF SEQUENCES: 103
CC      CORRESPONDENCE ADDRESS:
CC      ADDRESSEE: Pennie & Edmonds
CC      STREET: 1155 Avenue of the Americas
CC      CITY: New York
CC      STATE: New York
CC      COUNTRY: USA
CC      ZIP: 10036
CC      COMPUTER READABLE FORM:
CC      MEDIUM TYPE: Floppy disk
CC      COMPUTER: IBM PC compatible
CC      OPERATING SYSTEM: PC-DOS/MS-DOS
CC      SOFTWARE: Patentin Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC      APPLICATION NUMBER: PCJ/US95/11934
CC      FILING DATE: 20-SEP-1995
CC      CLASSIFICATION:
CC      ATTORNEY/AGENT INFORMATION:
CC      NAME: Mistrock, S. Leslie
CC      REGISTRATION NUMBER: 18,872
CC      REFERENCE/DOCKET NUMBER: 1101-196-228
CC      TELECOMMUNICATION INFORMATION:
CC      TELEPHONE: (212) 790-9090
CC      TELEFAX: (212) 869-9741/8864
CC      TELE: 66141 PENNIE
CC      INFORMATION FOR SEQ ID NO: 92:
CC      SEQUENCE CHARACTERISTICS:
CC      LENGTH: 81 base pairs
CC      TYPE: nucleic acid
CC      STRANDEDNESS: single
CC      TOPOLOGY: linear
CC      MOLECULE TYPE: DNA (genomic)
CC      SEQUENCE 81 BP; 3 A; 5 C; 6 G; 4 T; 63 OTHER.
SQ
Query Match      2.5%; Score 25; DB 4; Length 81;
Best Local Similarity 12.3%; Pred. No. 5.71e-03;
Matches      9; Conservative 19; Mismatches 45; Indels 0; Gaps 0;

Dd      7      CTCGAGNNBNBNBNBNBNBNBNBNBNBNBNBNBNBNBNBNBNBNBNBN 66
          |||||
Cp      6351  CTCGCGCGGTTCTCCCACTCATGAGCGCTTCGTGAGCTCGCGCGTATGAGATGC 6292
          |||||

Dd      67      BNNBNBNBAGCCG 79
          : : : |||
Cp      6291  TCGGATAACTGC 6279

RESULT      10
ID          US-08-273-846-1 STANDARD; DNA; UNC; 290 BP.
AC          xxxxxx

Dd      Sequence 1, Application US/08273846
Dd      Sequence 1, Application US/08273846
Dd      Patent No. 5641863
Dd      GENERAL INFORMATION:
Cc      APPLICANT: SCHREIBER, ALAN D.
Cc      APPLICANT: PARK, JONG-GU
Cc      TITLE OF INVENTION: METHODS OF STIMULATING PHAGOCYTOSIS
Cc      NUMBER OF SEQUENCES: 7
Cc      CORRESPONDENCE ADDRESS:
Cc      ADDRESSEE: NIXON & VANDERHYTE P.C.
Cc      STREET: 1100 NORTH GLEBE ROAD
Cc      CITY: ARLINGTON
Cc      STATE: VIRGINIA
Cc      COUNTRY: U.S.A.
Cc      ZIP: 22201-4714
Cc      COMPUTER READABLE FORM:
Cc      MEDIUM TYPE: Floppy disk
Cc      COMPUTER: IBM PC compatible
Cc      OPERATING SYSTEM: PC-DOS/MS-DOS

```





